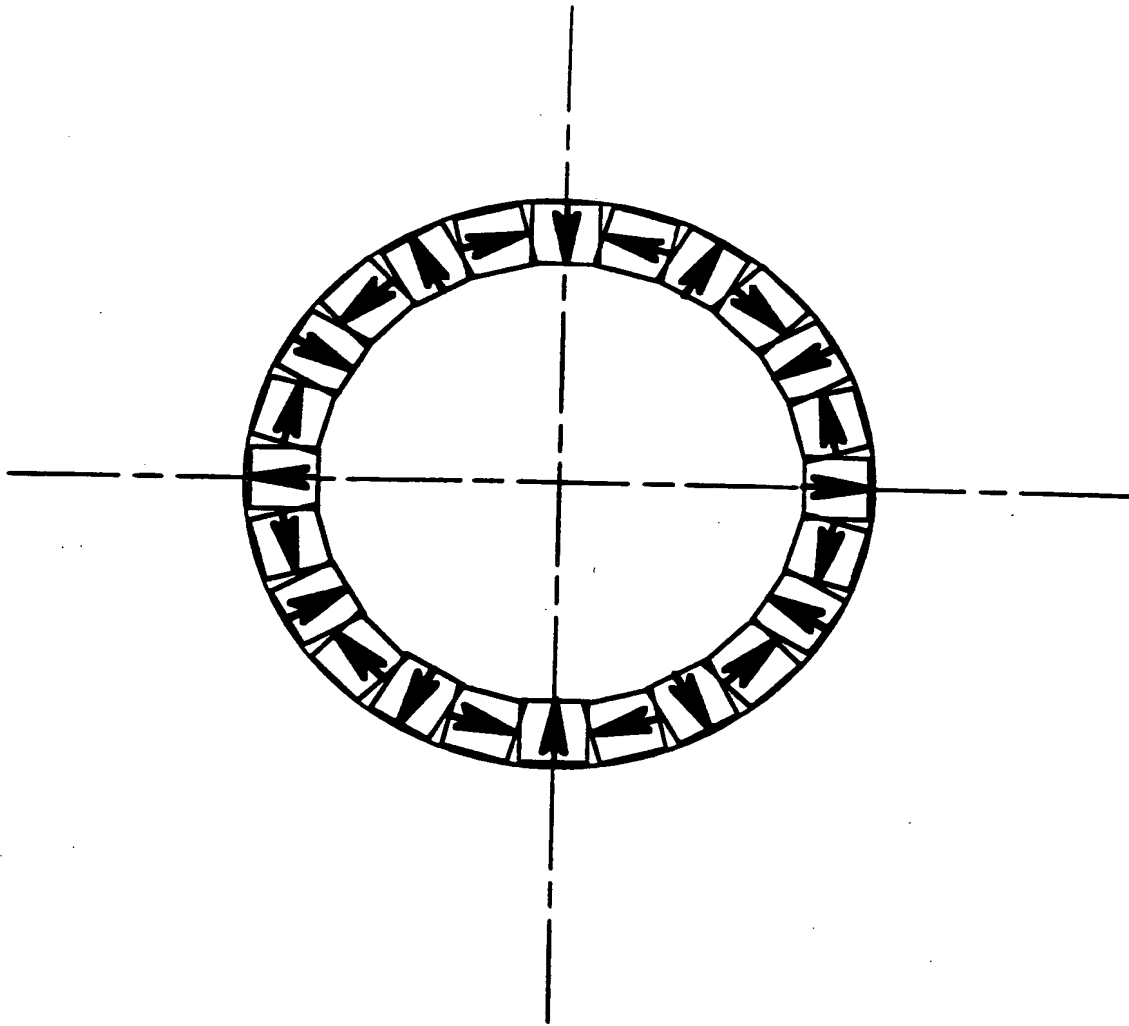


internal field: dipole
configuration: 8 segment
alternative : 16 segment
note: typical field uniformity <3%

FIGURE 1A: DIPOLE HALBACH ARRAY WITH ARC SEGMENT MAGNETS
(PRIOR ART)



**FIGURE 1B: MULTIPLE POLE HALBACH ARRAY WITH SQUARE SEGMENT
MAGNETS**

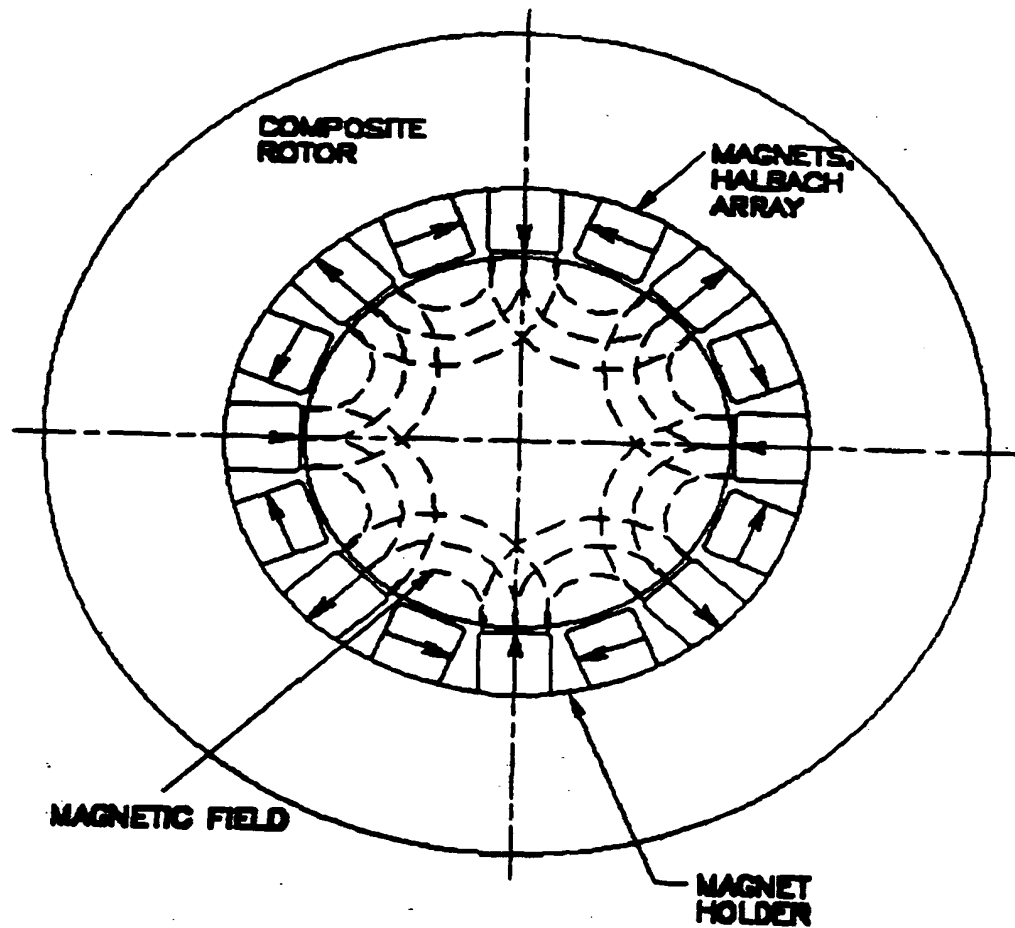


FIGURE 1C : MULTIPLE POLE HALBACH ARRAY WITH SQUARE SEGMENT MAGNETS

TRINITY PROPRIETARY INFORMATION

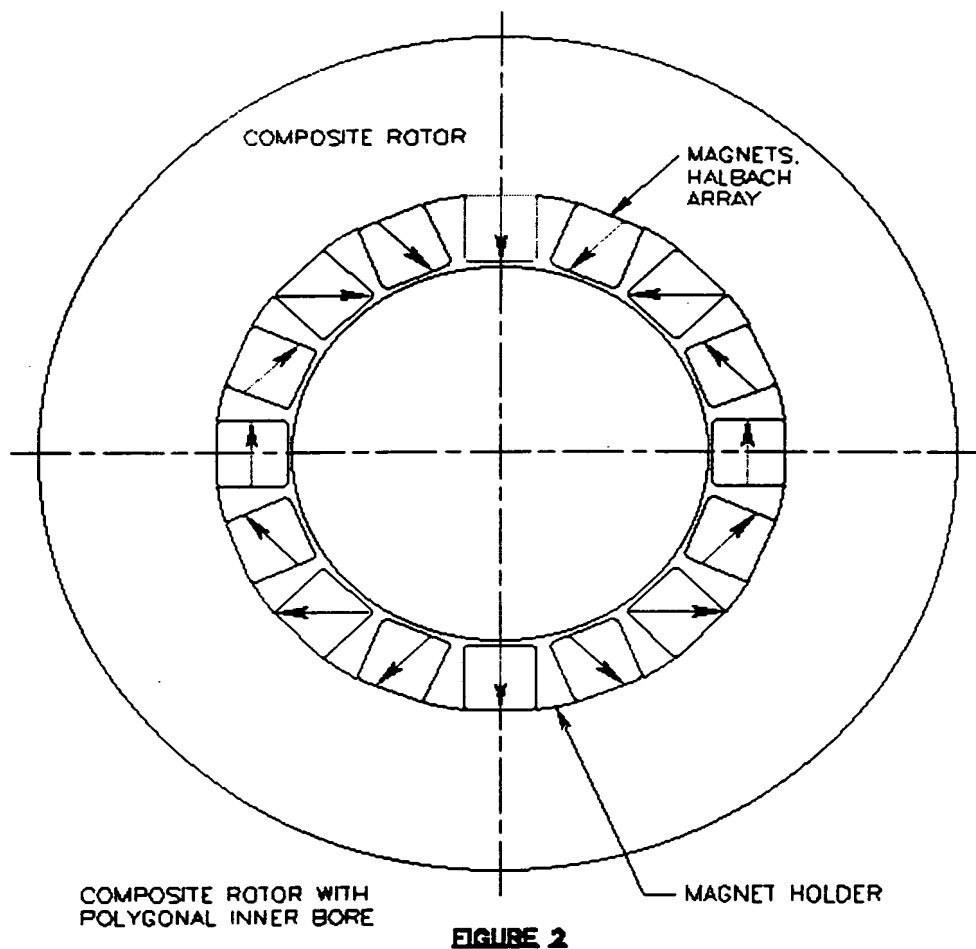


FIGURE 2: SQUARE MAGNETS IN HALBACH ARRAY WITH INTEGRAL MAGNET HOLDER INSIDE A POLYGONAL BORE

TRINITY PROPRIETARY INFORMATION

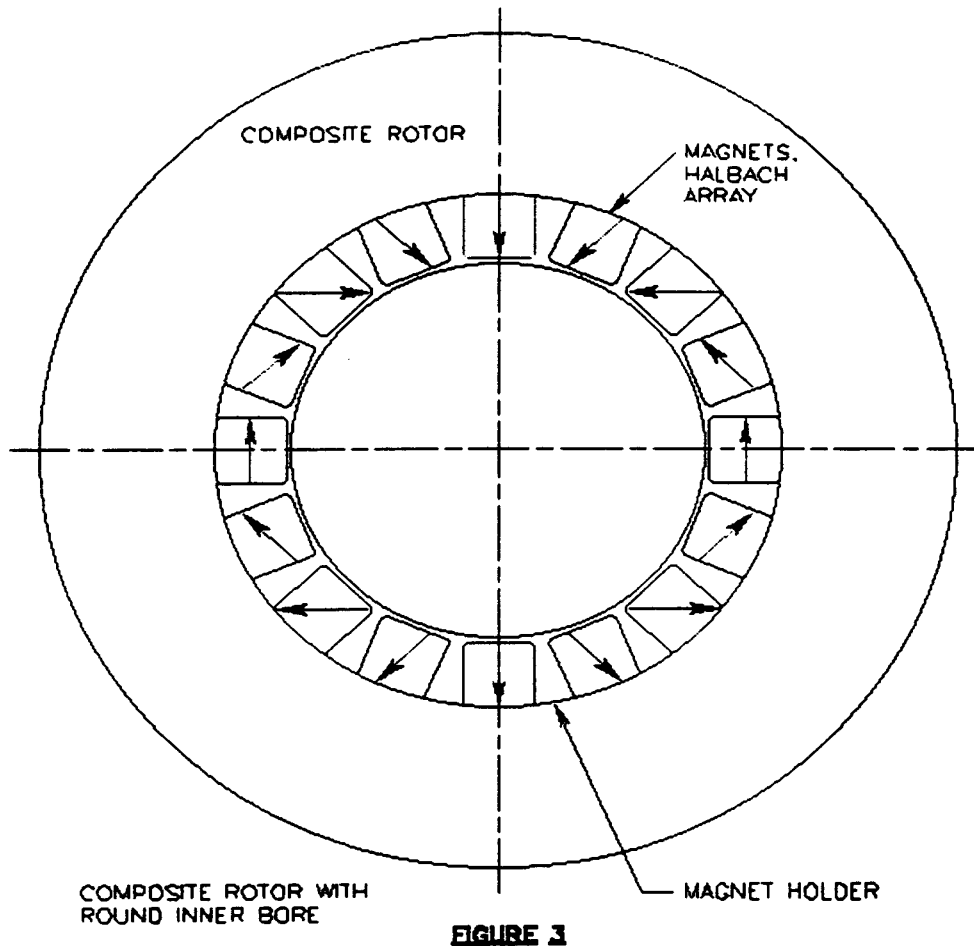


FIGURE 3: SQUARE MAGNETS IN HALBACH ARRAY WITH INTEGRAL MAGNET HOLDER INSIDE A ROUND BORE

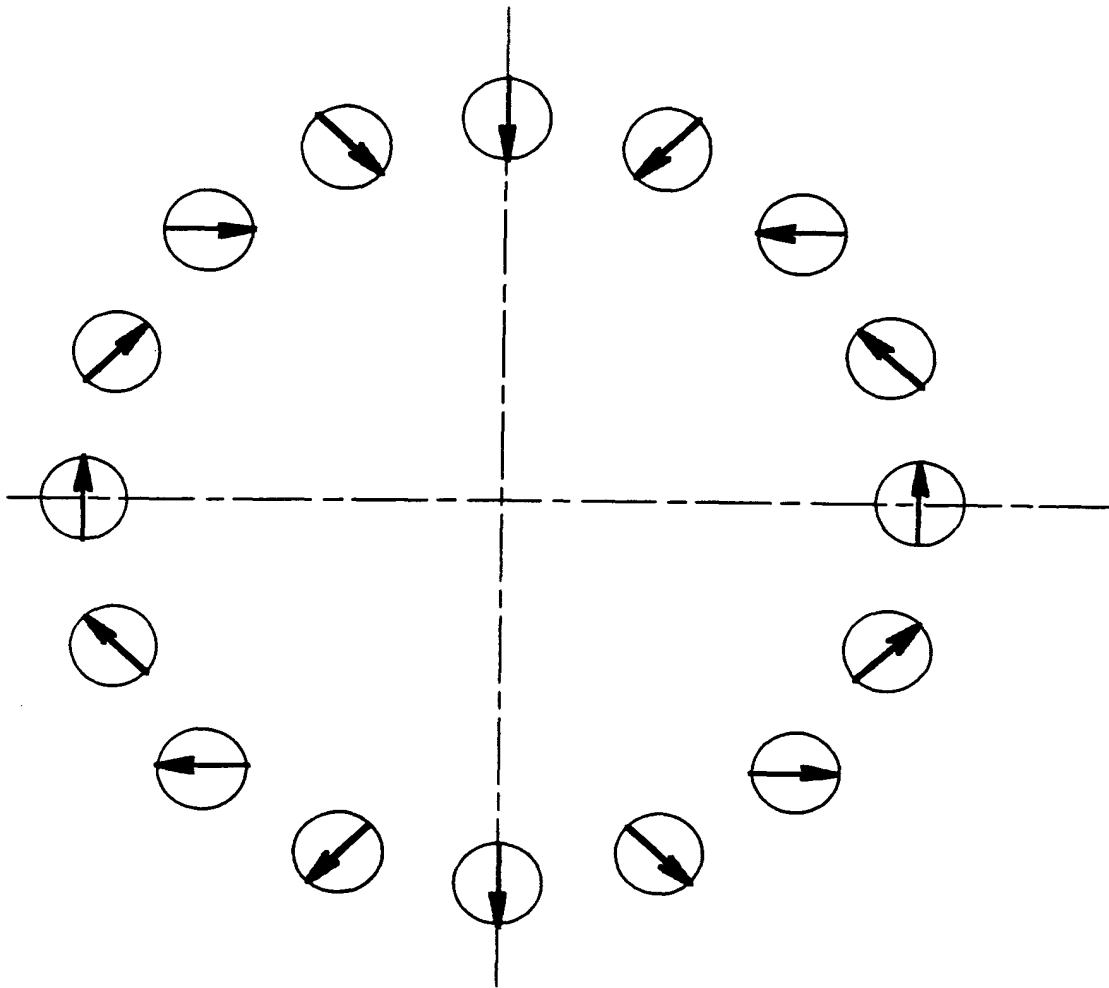


FIGURE 4: DIPOLE HALBACH ARRAY WITH CYLINDRICAL MAGNET SEGMENTS

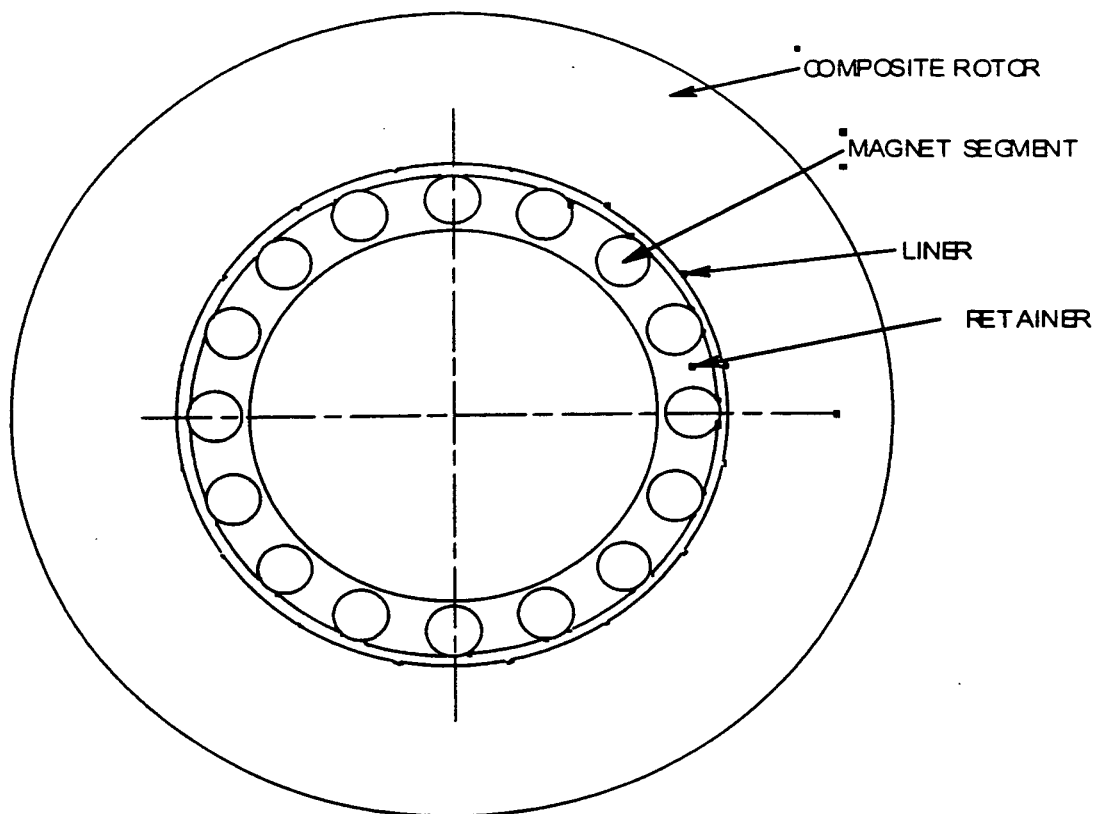


FIGURE 5: THIN LINER AND RETAINER

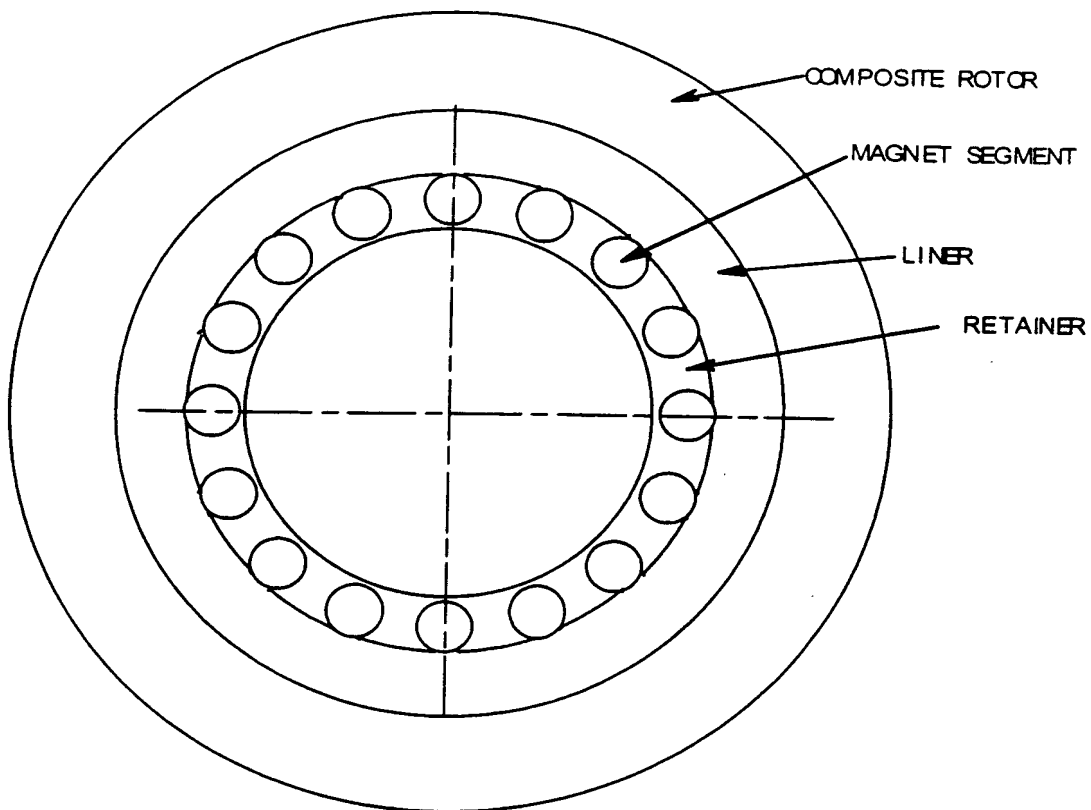


FIGURE 6: THICK LINER, SEPRATE RETAINER

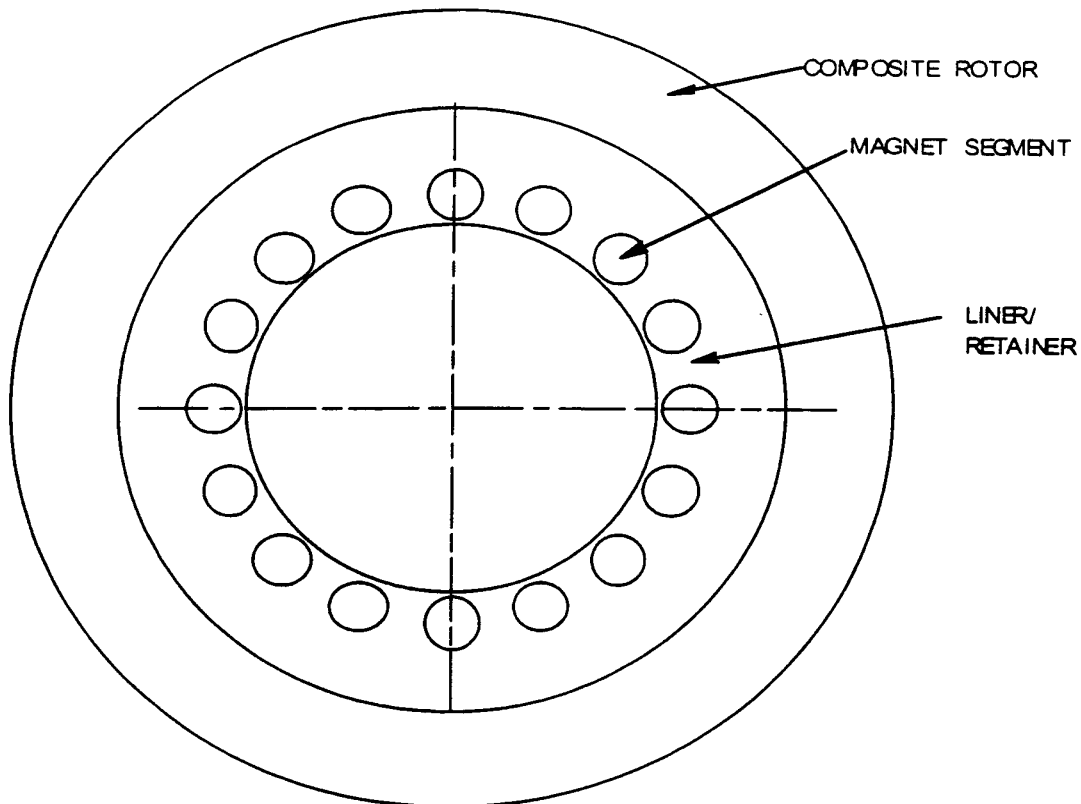


FIGURE 7: COMBINED LINER RETAINER

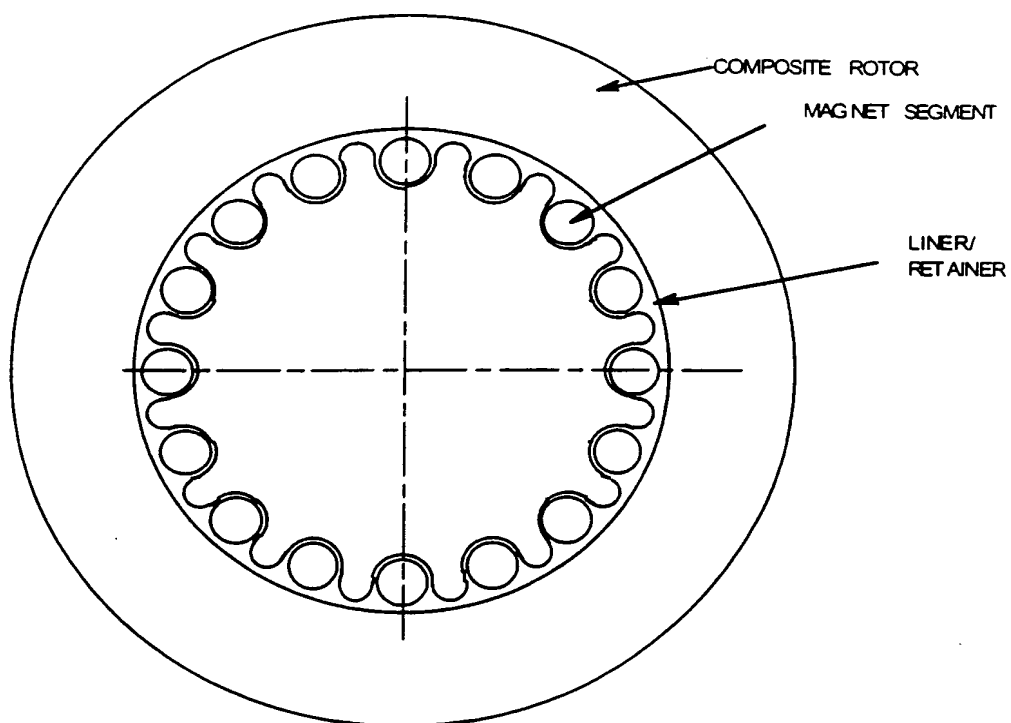


FIGURE 8: CONTOURED LINER/RETAINER

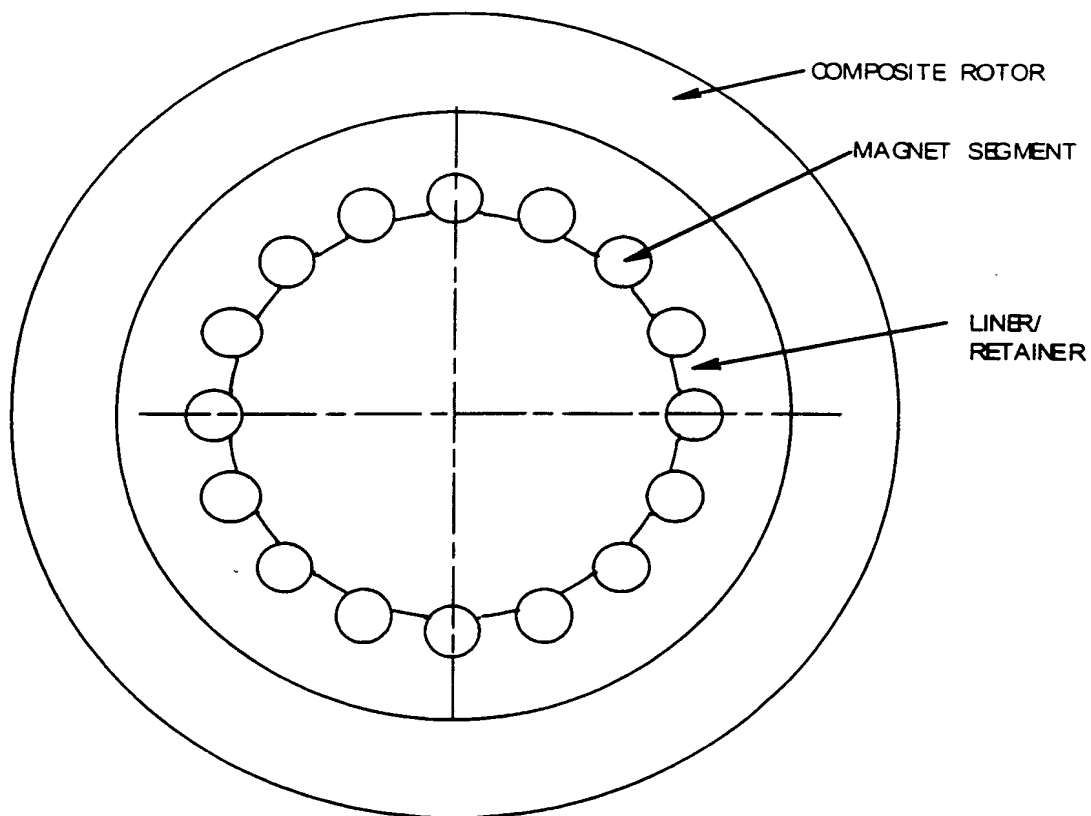


FIGURE 9: PARTIALLY SURROUNDING LINER/RETAINER

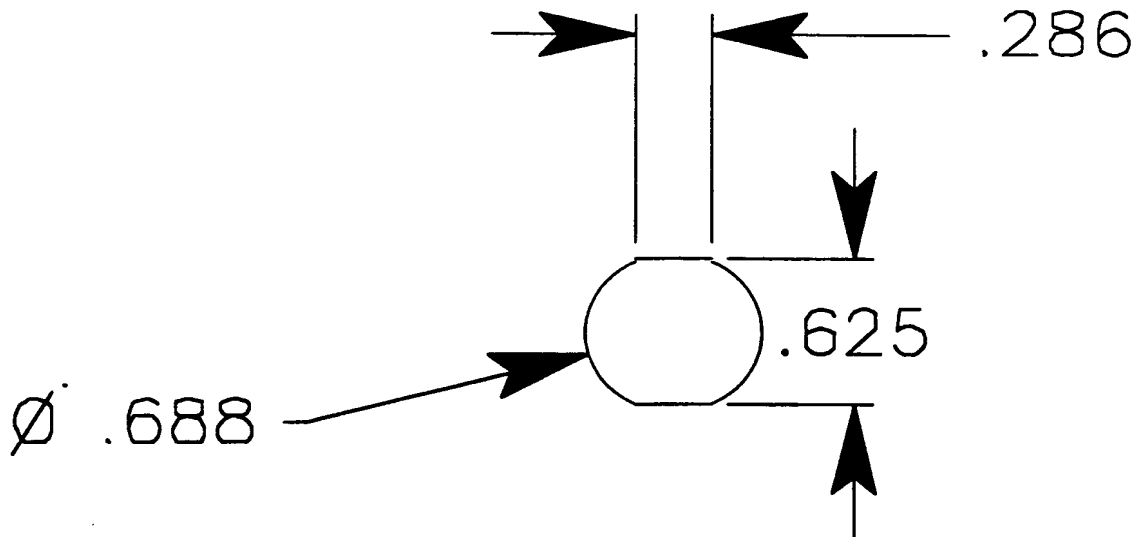


FIGURE 10: MAGNET SEGMENT WITH ANTIROTATION FLATS

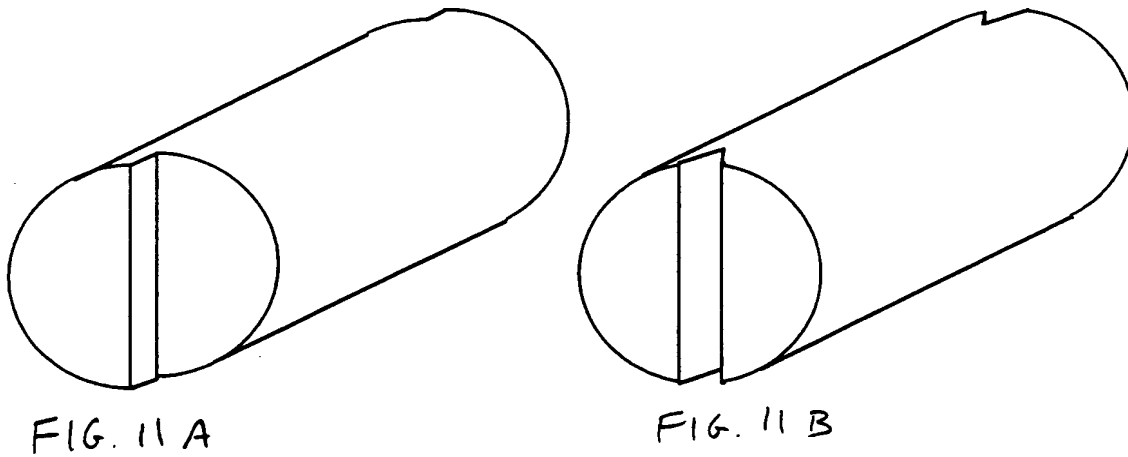


FIGURE 11: ANTIROTATION FEATURES ON ENDS OF MAGNET (STEP OR GROOVE)